
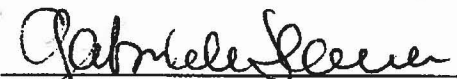
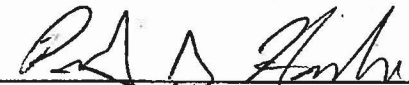



Signature Page
For
Webb Wellfield
Pre-CERCLIS Screening Report
Franklin, Indiana
Johnson County


Prepared By:  Date: 12/15/09
Dan Chesterson, Project Manager
Site Investigation Section
Indiana Department of Environmental Management

Approved By:  Date: 12/17/09
Gabriele Hauer, Section Chief
Site Investigation Section
Indiana Department of Environmental Management

Approved By:  Date: 1/29/10
EPA Site Assessment Manager FOR DB
U.S. EPA Region V

Signature Page
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Approved By: _____ Date: _____
EPA Site Assessment Manager
U.S. EPA Region V



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

December 15, 2009

Mr. Pat Hamblin, SR-6J
U.S. EPA Region V
77 West Jackson Boulevard
Chicago, IL 60604-3507

Dear Mr. Hamblin:

Re: Webb Wellfield
Franklin, Johnson County
Pre-CERCLIS Screening

SITE SUMMARY

The Indiana Department of Environmental Management (IDEM) under a cooperative agreement with the U.S. EPA conducted a Pre-CERCLIS Screening (PCS) of the Webb Wellfield site to determine if the site warrants further investigation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, a.k.a. Superfund).

The Webb Wellfield supplies water for several municipalities in Johnson County (population of approximately 66,868). The Webb Wellfield consists of three (3) wells located just east of the Town of Franklin.

The IDEM Office of Water Quality's Drinking Water Branch notified the Site Investigation Program of levels of cis-1,2-dichloroethylene (cis-1,2-DCE) at levels exceeding the MCL in their finished water, and trans-1,2-dichloroethylene (trans-1,2-DCE) at levels below the MCL in their finished water. In addition to the three (3) municipal wells, there are also two (2) nearby residential subdivisions, as well as other residences in the area, that are on private wells that have not been investigated. There are a number of businesses to the further west/southwest that may be considered potential sources.

Mr. Hamblin
Page 2

Should you have any questions regarding the contents of this correspondence, please contact me at 317/234-3505.

Sincerely,



Dan Chesterson
Site Investigation Program
Office of Land Quality

DPC

Attachments: Webb Wellfield Pre-CERCLIS Screening Report
CERCLIS Site Information Form
Pre-CERCLIS Screening Assessment Checklist/Decision Form
HRS Score Pre-Decisional Document (Confidential)

cc: Gloria Wills, U.S. EPA

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SECTION 1.0 INTRODUCTION

The Indiana Department of Environmental Management's IDEM Site Investigation Section received a referral from the IDEM Office of Water Quality OWQ Drinking Water Branch concerning contaminants detected in the municipal water supply of the Indiana American Water Company INAWC Johnson County's Webb Wellfield. The Site Investigation Section is preparing this Pre CERCLIS Screening Assessment PCS for the Webb Wellfield Site. The PCS is performed under the authority of the Comprehensive Environmental Response Compensation and Liability Act CERCLA commonly known as Superfund.

A PCS is a review of information on potential Superfund sites to determine whether the site should be entered into EPA's Comprehensive Environmental Response Compensation and Liability Information System CERCLIS. If over the course of the investigation there is sufficient information to suggest the site is impacting human health or the environment, the site can be placed in CERCLIS and will progress through the Superfund investigative process.

SECTION 2.0 SITE BACKGROUND

The Webb Wellfield is located in the Town of Franklin in Johnson County, Indiana. Based on samples collected by the INAWC and submitted to the IDEM OWQ Drinking Water Branch, it has been determined that the drinking water supply has been contaminated by cis 1,1-dichloroethylene, cis 1,1-DCE and trans 1,1-dichloroethylene, trans 1,1-DCE.

Section 2.1 Site Description

The Webb Wellfield is comprised of three production wells, well 1 and 2 near the intersection of County Roads 100 E and 100 N in the Town of Franklin. The area immediately surrounding the Webb Wellfield is agricultural. Hurricane Creek flows through the wellfield with wells 1 and 2 just to the east of the creek and well 3 just to the west. A residential neighborhood and a golf course are located to the southeast of the wellfield. To the west/southwest are some industrial facilities. To the west/northwest are another golf course and a residential neighborhood. To the east/northeast are agricultural fields and Interstate 10. To the south/southwest are agricultural fields and the Town of Franklin. Two other wellfields, Sugar Creek Wellfield and Orme Marlin White River Wellfield, are also owned and operated by the INAWC Johnson County. The Sugar Creek Wellfield consists of four production wells and

is located approximately three and one quarter (3.25) miles east of the Webb Wellfield. The Orme Marlin White River Wellfield consists of nine (9) wells and four (4) pumping centers and is located approximately twelve (12) miles northwest of Webb Wellfield. Contaminants have not been detected in the Sugar Creek and Orme Marlin White River Wellfields and they are not a part of this investigation. The INAWC blends the water from the three (3) wellfields in an effort to minimize the contaminants. The water system provides potable drinking water to the Towns of Franklin and Greenwood. Population served is (10,000). Additionally, a new wellfield has been developed to supplement the existing wellfields and the Sugar Creek Wellfield will be expanded in an effort to reduce or replace reliance on the Webb Wellfield.

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Section (b)(6) Site History

According to drinking water sample results submitted by the INAWC to IDEM, cis (b)(6) DCE has been detected at levels exceeding the MCL (b)(6) ppb. Trans (b)(6) DCE has been detected at levels below the MCL (b)(6) ppb. A nearby industrial facility, Franklin Power Products (FPP), Amphenol is currently working with the U.S. EPA RCRA office to clean up/mediate a plume of (b)(6) trichloroethane (TCA) at their facility near the Webb Wellfield. However, the company claims that the contamination at the Webb Wellfield is coming from a different unknown source. See Section (b)(6).

□

SECTION (b)(6) FIELD INVESTIGATION ACTIVITIES

□

Section (b)(6) Field Inspection

A field inspection by the Site Investigation Section has not been conducted at this time. Information regarding this site was collected from IDEM files, independent investigation reports, INAWC officials, aerial photographs, maps, and internet sources.

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Section (b)(6) Analytical Data

Analytical data obtained was from laboratory data submitted by the INAWC to the IDEM Office of Water Quality's Drinking Water Branch. These data are attached. See Appendix B and indicate that cis (b)(6) DCE was first detected in the system's water in June (b)(6). It has been detected in the Webb Wellfield's Well (b)(6) and Well (b)(6) raw water at levels exceeding the MCL and in the Webb Plant's finished water at levels below the MCL. Detections in Well (b)(6) have exceeded the MCL of (b)(6) parts per billion on four (4) occasions since July (b)(6). Detections in Well (b)(6) have exceeded the MCL twenty (20) times since July (b)(6). To date, there have not

been any detections of cis 1,1,1-trichloroethene (DCE) above the MCL in the finished blended water from the Webb Wellfield wells.

Trans 1,1,1-trichloroethene (DCE) was first detected in the system's water in November 2000. It has been detected in both Well 1 and Well 2 raw water and in the Webb Plant's finished water. To date, there have not been any detections above the MCL.

Additionally, trichloroethylene (TCE) has been detected at levels exceeding the MCL in a monitoring well near the production wells, but it has not been detected in the production wells.

Section 1.3.3 Past Environmental Investigations

Previous environmental investigations have been conducted at the FPP Amphenol site located approximately 3/4 mile southwest of the Webb Wellfield. A September 2000 Phase I Supplemental Site Assessment Data Evaluation Report prepared by IWM Consulting Group LLC on behalf of FPP Amphenol and through the RCRA Corrective Action Program focused on the contamination present in the Webb Wellfield. The report concludes that there are other facilities in the immediate area that could also be potential sources of contamination at the Webb Wellfield. The FPP Amphenol site is located outside the 100-year capture zone while other facilities are located within the 100-year capture zone. The groundwater flow direction established by the water utility contradicts the water withdrawal rates for the Webb Wellfield. The geochemistry data suggest that there are distinct differences between the ground water at the site and the Webb Wellfield and the contaminants detected in the Webb Wellfield wells were not detected at the FPP Amphenol site. The report concludes that there is not enough evidence to show that a relationship exists between the VOCs detected on site and the VOCs detected at the Webb Wellfield. These conclusions have not been verified by IDEM.

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SECTION 1.4 MIGRATION PATHWAYS

Section 1.4.1 Ground Water

Ground water is the primary focus of this investigation. No ground water samples were taken by IDEM as part of this PCS investigation. Although drinking water sample results from the affected wells were provided to IDEM by the local water provider, ground water has been impacted by cis 1,1,1-trichloroethene (DCE) and trans 1,1,1-trichloroethene (DCE) at levels that do not exceed the MCL in the blended finished

water from the Webb Wellfield although cis 1,1,1-trichloroethene (DCE) has been detected above the MCL in one of the wells' raw water. The contaminants have been detected in the INAWC's Webb Wellfield wells that supply drinking water to the Towns of Greenwood and Franklin.

Section 1.4.1 Surface Water

No surface water samples were taken as part of this PCS investigation. The nearest surface water body is Hurricane Creek which runs south southwest through the Webb Wellfield. It is not known if the creek has been impacted by the contamination. There are no surface water intakes within 1/2 miles downstream of the site.

Section 1.4.2 Soil Exposure

No soil samples were collected as part of this PCS investigation. The site is in a mixed use area residential commercial industrial agricultural providing some potential targets in the event of an off site release of hazardous materials. Soil samples may need to be obtained to determine the source of contamination in the groundwater.

Section 1.4.3 Air Route

No air samples were collected as part of this investigation nor were observed release criteria met for this pathway. No confirmed air release has been documented.

SECTION 1.5 SUMMARY AND CONCLUSIONS

The Webb Wellfield's finished drinking water has been impacted by cis 1,1,1-trichloroethene (DCE) and trans 1,1,2-trichloroethene (DCE) at levels that do not exceed the MCL. However cis 1,1,1-trichloroethene (DCE) has been detected in two wells' raw water at levels exceeding the MCL and trans 1,1,2-trichloroethene (DCE) has been detected in two well's raw water at levels below the MCL. TCE has also been detected in a nearby monitoring well at levels exceeding the MCL. Additionally there are numerous private drinking water wells in the vicinity that could potentially be affected.

SECTION REFERENCES

IDEM Drinking Water Branch website [] [] []

http://www.in.gov/apps/ident/sdwis_state/ http://www.in.gov/apps/ident/sdwis_state/

Indiana American Water Company Johnson County Wellhead Protection Plan December

Meeting with Indiana American Water Company representatives Mr. Jeff Robinson, Director,

Water Quality and Environmental Management and Mr. Stacey Hoffman, Director of

Engineering July 2011

Phase II Supplemental Site Assessment Data Evaluation Report Former Amphenol Facility

prepared by IWM Consulting Group September 2011

☐

SECTION ☐ ☐ ☐ ☐ PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST DECISION ☐
FORM ☐

See attached

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Appendix A

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Figure A-1 Site Location Topographic Map

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Figure A-2 Site Location Aerial Photograph

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Appendix B

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Analytical Data

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Appendix C

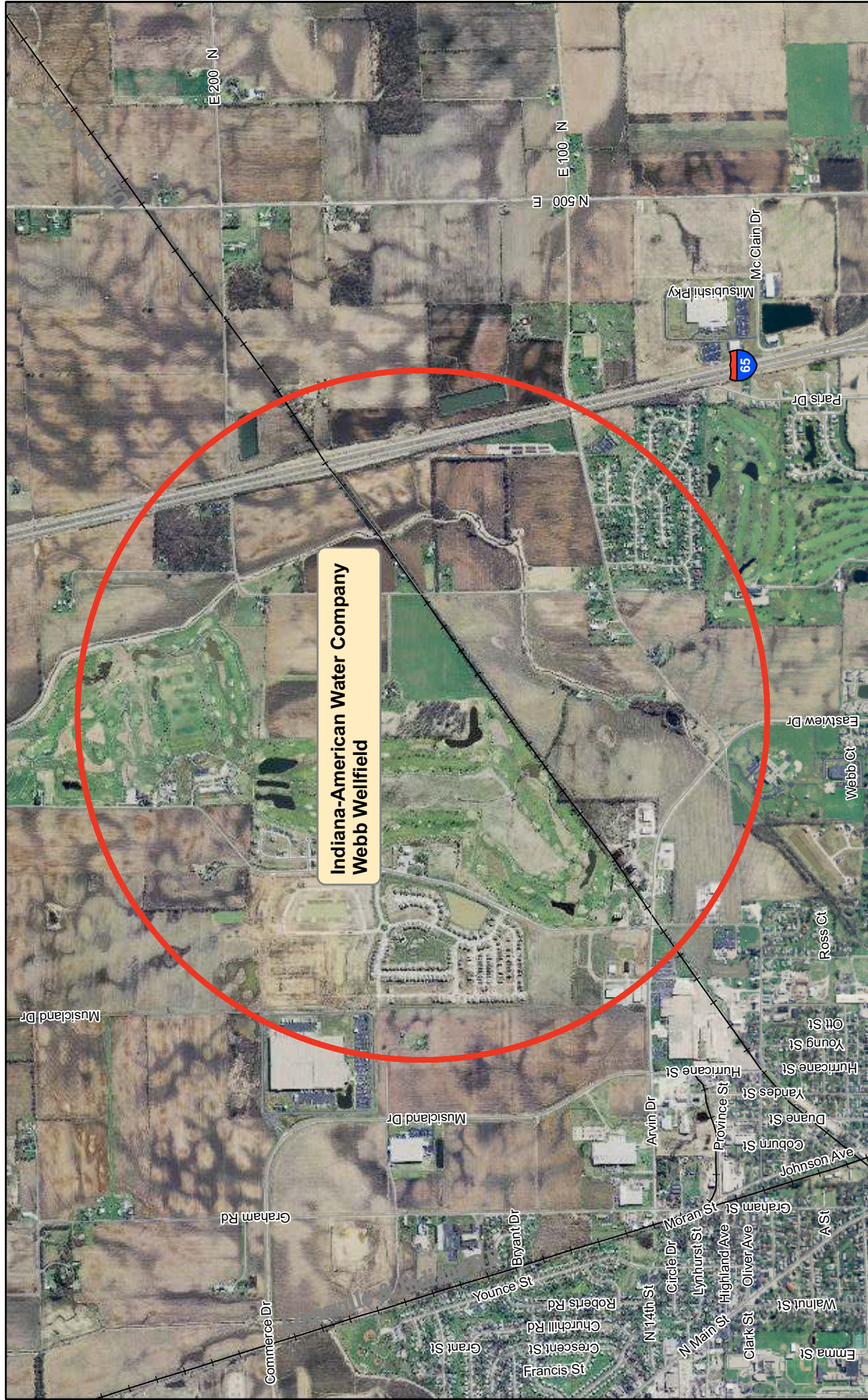


Indiana Department of Natural Resources
Record of Water Wells

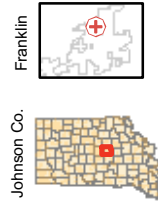


Indiana-American Water Company Webb Wellfield,

Site Location Map (Aerial), Franklin, Johnson County, IN



This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.
Mapped By: Lorraine Wright,
Office of Land Quality
Date: December 21, 2006

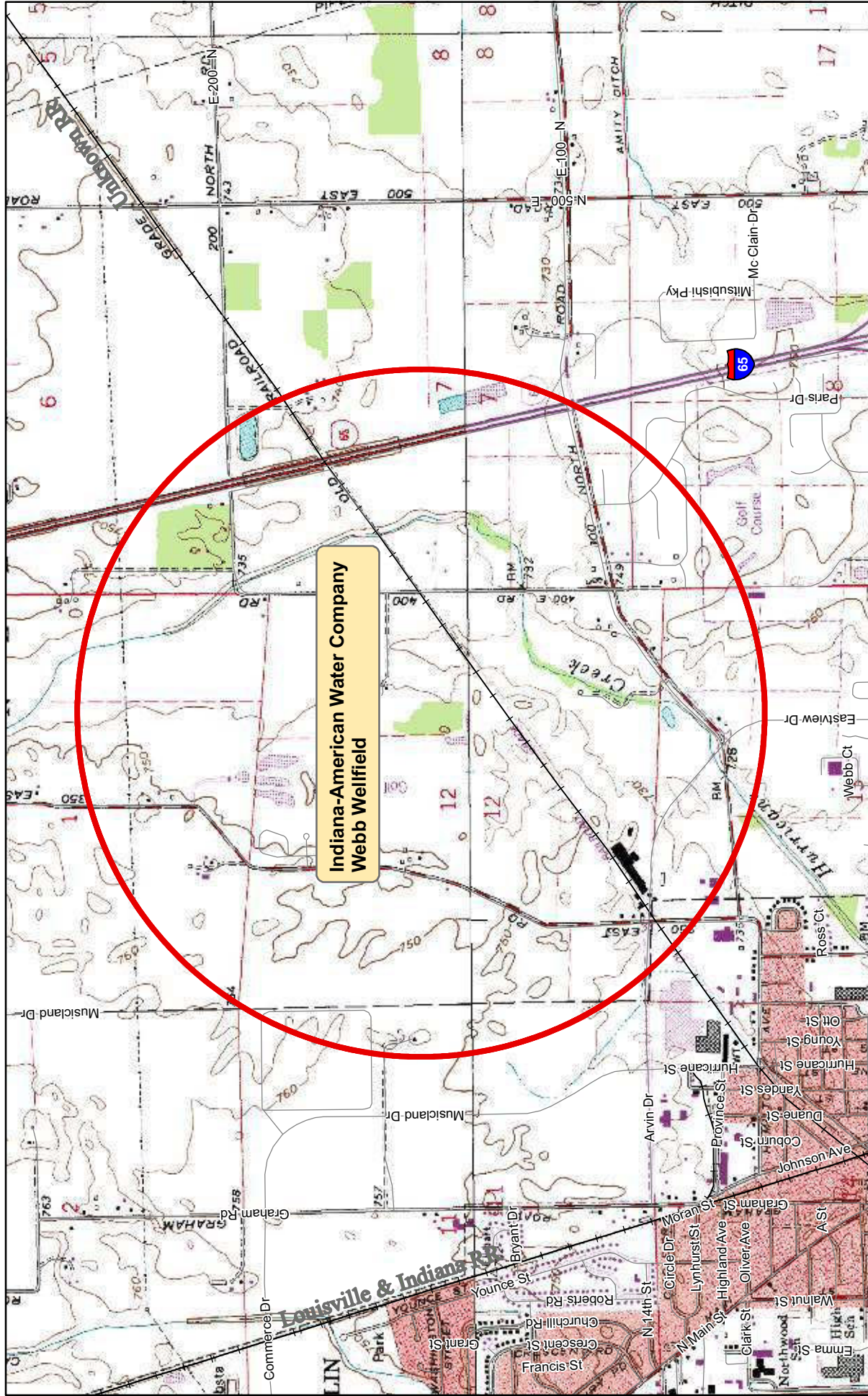


0 2,000 Feet
0 600 Meters



Sources:
Non Orthophotography Data - Obtained from the State of Indiana Geographic Information Office Library
Orthophotography - Obtained from Indiana Map Framework Data, (www.indianamap.org)
Map Projection: UTM Zone 16 N **Map Datum:** NAD83

Indiana-American Water Company Webb Wellfield, Site Location Map (Topographic), Franklin, Johnson County, IN



This map is intended to serve as an aid in graphic representation only. This information is not warranted for accuracy or other purposes.
Map Date: December 21, 2006
Maped By: Lorraine Wright,
 Office of Land Quality

Franklin
 Johnson Co.

Scale:
 0 2,000 Feet
 0 600 Meters

North Arrow

Legend:
 [Red Circle] Indiana-American Water Company Webb Wellfield

Sources:
 Non Orthophotography
 Data - Obtained from the State of Indiana Geographic Information Office Library
 Topographic Map - Obtained from Indiana Map Framework Data, (www.indianamap.org)
 Map Projection: UTM Zone 16 N Map Datum: NAD83

IN5241005-WEBB-VOC's.xls

Date	Source	VOC	Conc. PPB	MCL PPB
7/24/1989	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2.8	70
11/3/1989	Webb Plant Finished Water	cis-1,2-Dichloroethylene	1	70
1/17/1990	Webb Plant Finished Water	cis-1,2-Dichloroethylene	1.2	70
4/25/1990	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2.6	70
8/13/1990	Webb Plant Finished Water	cis-1,2-Dichloroethylene	8.7	70
2/4/1991	Webb Plant Finished Water	cis-1,2-Dichloroethylene	10.9	70
4/8/1991	Webb Plant Finished Water	cis-1,2-Dichloroethylene	6.1	70
7/17/1991	Webb Plant Finished Water	cis-1,2-Dichloroethylene	15.2	70
1/10/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	19.9	70
2/27/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	15.7	70
4/24/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	17.8	70
7/9/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	12.7	70
10/9/1992	Webb Plant Finished Water	cis-1,2-Dichloroethylene	20.6	70
7/6/1993	Webb Plant Finished Water	cis-1,2-Dichloroethylene	22.6	70
11/10/1993	Webb Plant Finished Water	cis-1,2-Dichloroethylene	26.2	70
2/8/1994	Webb Plant Finished Water	cis-1,2-Dichloroethylene	3	70
7/12/1994	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2.9	70
1/13/1995	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2.9	70
7/3/1995	Webb Plant Finished Water	cis-1,2-Dichloroethylene	4.1	70
10/6/1995	Webb Plant Finished Water	cis-1,2-Dichloroethylene	11	70
1/17/1996	Webb Plant Finished Water	cis-1,2-Dichloroethylene	6.9	70
7/7/1996	Webb Plant Finished Water	cis-1,2-Dichloroethylene	18	70
10/8/1996	Webb Plant Finished Water	cis-1,2-Dichloroethylene	2	70
1/14/1997	Webb Plant Finished Water	cis-1,2-Dichloroethylene	5.2	70
12/7/1999	Webb Plant Finished Water	cis-1,2-Dichloroethylene	0.5	70
1/17/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	10.9	70
2/11/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	13.8	70
3/18/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	18.7	70
4/24/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	1.3	70
8/28/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	13.8	70
10/9/2001	Webb Plant Finished Water	cis-1,2-Dichloroethylene	11.6	70
2/11/2002	Webb Plant Finished Water	cis-1,2-Dichloroethylene	9.8	70
3/28/2002	Webb Plant Finished Water	cis-1,2-Dichloroethylene	13.3	70
12/17/2003	Webb Plant Finished Water	cis-1,2-Dichloroethylene	29.2	70
7/21/2004	Webb Plant Finished Water	cis-1,2-Dichloroethylene	22.3	70
5/18/2005	Webb Plant Finished Water	cis-1,2-Dichloroethylene	20.9	70
5/10/2006	Webb Plant Finished Water	cis-1,2-Dichloroethylene	60.5	70
1/27/1989	Webb Well 2	cis-1,2-Dichloroethylene	10.8	70
4/24/1992	Webb Well 2	cis-1,2-Dichloroethylene	0.7	70
7/9/1992	Webb Well 2	cis-1,2-Dichloroethylene	3.4	70
10/9/1992	Webb Well 2	cis-1,2-Dichloroethylene	7.8	70
1/28/1993	Webb Well 2	cis-1,2-Dichloroethylene	17	70
4/8/1993	Webb Well 2	cis-1,2-Dichloroethylene	17.1	70
7/6/1993	Webb Well 2	cis-1,2-Dichloroethylene	10.6	70
11/10/1993	Webb Well 2	cis-1,2-Dichloroethylene	13.6	70
2/8/1994	Webb Well 2	cis-1,2-Dichloroethylene	7.9	70
10/13/1994	Webb Well 2	cis-1,2-Dichloroethylene	45	70
1/13/1995	Webb Well 2	cis-1,2-Dichloroethylene	33	70
7/3/1995	Webb Well 2	cis-1,2-Dichloroethylene	5.7	70
10/6/1995	Webb Well 2	cis-1,2-Dichloroethylene	45	70
1/17/1996	Webb Well 2	cis-1,2-Dichloroethylene	17	70
4/19/1996	Webb Well 2	cis-1,2-Dichloroethylene	32	70
7/7/1996	Webb Well 2	cis-1,2-Dichloroethylene	21	70
11/15/1996	Webb Well 2	cis-1,2-Dichloroethylene	44	70
1/21/1997	Webb Well 2	cis-1,2-Dichloroethylene	39	70
4/9/1997	Webb Well 2	cis-1,2-Dichloroethylene	51	70
7/8/1997	Webb Well 2	cis-1,2-Dichloroethylene	55	70
7/17/2000	Webb Well 2	cis-1,2-Dichloroethylene	77.8	70
1/30/2001	Webb Well 2	cis-1,2-Dichloroethylene	53.7	70
8/28/2001	Webb Well 2	cis-1,2-Dichloroethylene	121.9	70
6/14/2006	Webb Well 2	cis-1,2-Dichloroethylene	25.2	70
8/1/2006	Webb Well 2	cis-1,2-Dichloroethylene	106.4	70
11/8/2006	Webb Well 2	cis-1,2-Dichloroethylene	24.3	70

IN5241005-WEBB-VOC's.xls

1/23/2007	Webb Well 2	cis-1,2-Dichloroethylene	60	70
4/18/2007	Webb Well 2	cis-1,2-Dichloroethylene	38.4	70
7/25/2007	Webb Well 2	cis-1,2-Dichloroethylene	96.2	70
6/14/1988	Webb Well 3	cis-1,2-Dichloroethylene	5.9	70
8/10/1988	Webb Well 3	cis-1,2-Dichloroethylene	1.8	70
4/15/1989	Webb Well 3	cis-1,2-Dichloroethylene	10.9	70
9/18/1989	Webb Well 3	cis-1,2-Dichloroethylene	18.2	70
11/3/1989	Webb Well 3	cis-1,2-Dichloroethylene	27.6	70
1/17/1990	Webb Well 3	cis-1,2-Dichloroethylene	15.2	70
4/25/1990	Webb Well 3	cis-1,2-Dichloroethylene	32.3	70
8/13/1990	Webb Well 3	cis-1,2-Dichloroethylene	41.1	70
2/4/1991	Webb Well 3	cis-1,2-Dichloroethylene	59.9	70
4/8/1991	Webb Well 3	cis-1,2-Dichloroethylene	48.2	70
5/8/1991	Webb Well 3	cis-1,2-Dichloroethylene	49.5	70
7/17/1991	Webb Well 3	cis-1,2-Dichloroethylene	71.4	70
8/30/1991	Webb Well 3	cis-1,2-Dichloroethylene	77.3	70
1/10/1992	Webb Well 3	cis-1,2-Dichloroethylene	109	70
2/27/1992	Webb Well 3	cis-1,2-Dichloroethylene	73.8	70
4/24/1992	Webb Well 3	cis-1,2-Dichloroethylene	69.2	70
7/9/1992	Webb Well 3	cis-1,2-Dichloroethylene	64	70
10/9/1992	Webb Well 3	cis-1,2-Dichloroethylene	89.9	70
1/28/1993	Webb Well 3	cis-1,2-Dichloroethylene	94.5	70
4/8/1993	Webb Well 3	cis-1,2-Dichloroethylene	80.6	70
7/6/1993	Webb Well 3	cis-1,2-Dichloroethylene	101	70
11/10/1993	Webb Well 3	cis-1,2-Dichloroethylene	97.2	70
2/8/1994	Webb Well 3	cis-1,2-Dichloroethylene	96.4	70
10/13/1994	Webb Well 3	cis-1,2-Dichloroethylene	81	70
1/13/1995	Webb Well 3	cis-1,2-Dichloroethylene	93	70
7/3/1995	Webb Well 3	cis-1,2-Dichloroethylene	16	70
10/6/1995	Webb Well 3	cis-1,2-Dichloroethylene	81	70
1/17/1996	Webb Well 3	cis-1,2-Dichloroethylene	95	70
4/30/1996	Webb Well 3	cis-1,2-Dichloroethylene	85	70
7/7/1996	Webb Well 3	cis-1,2-Dichloroethylene	83	70
10/8/1996	Webb Well 3	cis-1,2-Dichloroethylene	70	70
1/21/1997	Webb Well 3	cis-1,2-Dichloroethylene	6.3	70
4/9/1997	Webb Well 3	cis-1,2-Dichloroethylene	6.5	70
7/8/1997	Webb Well 3	cis-1,2-Dichloroethylene	13.8	70
12/5/1999	Webb Well 3	cis-1,2-Dichloroethylene	61	70
7/17/2000	Webb Well 3	cis-1,2-Dichloroethylene	9.4	70
1/30/2001	Webb Well 3	cis-1,2-Dichloroethylene	2.9	70
8/28/2001	Webb Well 3	cis-1,2-Dichloroethylene	missing data	70
6/14/2006	Webb Well 3	cis-1,2-Dichloroethylene	98.5	70
8/1/2006	Webb Well 3	cis-1,2-Dichloroethylene	15.6	70
11/8/2006	Webb Well 3	cis-1,2-Dichloroethylene	218.4	70
1/23/2007	Webb Well 3	cis-1,2-Dichloroethylene	25.7	70
4/18/2007	Webb Well 3	cis-1,2-Dichloroethylene	38.4	70
7/25/2007	Webb Well 3	cis-1,2-Dichloroethylene	75.1	70
4/19/1996	Webb Well 5	cis-1,2-Dichloroethylene	4.3	70
7/7/1996	Webb Well 5	cis-1,2-Dichloroethylene	3.5	70
10/8/1996	Webb Well 5	cis-1,2-Dichloroethylene	0.7	70
11/8/2006	Webb Well 5	cis-1,2-Dichloroethylene	1.5	70
1/10/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
2/27/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
4/24/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.9	100
7/9/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
10/9/1992	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1.1	100
7/6/1993	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1	100
11/10/1993	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1.6	100
7/7/1996	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.9	100
2/11/2001	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
3/18/2001	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.7	100
8/28/2001	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.6	100
3/28/2002	Webb Plant Finished Water	trans-1,2-Dichloroethylene	0.5	100
12/17/2003	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1.5	100

IN5241005-WEBB-VOC's.xls

7/21/2004	Webb Plant Finished Water	trans-1,2-Dichloroethylene	1.2	100
5/18/2005	Webb Plant Finished Water	trans-1,2-Dichloroethylene	10	100
5/10/2006	Webb Plant Finished Water	trans-1,2-Dichloroethylene	3.1	100
10/13/1994	Webb Well 2	trans-1,2-Dichloroethylene	0.8	100
10/6/1995	Webb Well 2	trans-1,2-Dichloroethylene	0.9	100
1/17/1996	Webb Well 2	trans-1,2-Dichloroethylene	0.6	100
4/19/1996	Webb Well 2	trans-1,2-Dichloroethylene	0.7	100
7/7/1996	Webb Well 2	trans-1,2-Dichloroethylene	0.5	100
11/15/1996	Webb Well 2	trans-1,2-Dichloroethylene	1.2	100
1/21/1997	Webb Well 2	trans-1,2-Dichloroethylene	1.1	100
4/9/1997	Webb Well 2	trans-1,2-Dichloroethylene	1.5	100
7/8/1997	Webb Well 2	trans-1,2-Dichloroethylene	1.9	100
7/17/2000	Webb Well 2	trans-1,2-Dichloroethylene	4.4	100
1/30/2001	Webb Well 2	trans-1,2-Dichloroethylene	2.8	100
8/28/2001	Webb Well 2	trans-1,2-Dichloroethylene	6.7	100
6/14/2006	Webb Well 2	trans-1,2-Dichloroethylene	2.6	100
8/1/2006	Webb Well 2	trans-1,2-Dichloroethylene	7.9	100
11/8/2006	Webb Well 2	trans-1,2-Dichloroethylene	1.8	100
1/23/2007	Webb Well 2	trans-1,2-Dichloroethylene	4.8	100
4/18/2007	Webb Well 2	trans-1,2-Dichloroethylene	3.1	100
7/25/2007	Webb Well 2	trans-1,2-Dichloroethylene	9.3	100
11/3/1989	Webb Well 3	trans-1,2-Dichloroethylene	0.8	100
4/25/1990	Webb Well 3	trans-1,2-Dichloroethylene	0.8	100
8/13/1990	Webb Well 3	trans-1,2-Dichloroethylene	1.3	100
2/4/1991	Webb Well 3	trans-1,2-Dichloroethylene	3.3	100
4/8/1991	Webb Well 3	trans-1,2-Dichloroethylene	1.6	100
5/8/1991	Webb Well 3	trans-1,2-Dichloroethylene	3.6	100
7/17/1991	Webb Well 3	trans-1,2-Dichloroethylene	4	100
8/30/1991	Webb Well 3	trans-1,2-Dichloroethylene	5.2	100
1/10/1992	Webb Well 3	trans-1,2-Dichloroethylene	5.8	100
2/27/1992	Webb Well 3	trans-1,2-Dichloroethylene	3.8	100
4/24/1992	Webb Well 3	trans-1,2-Dichloroethylene	5.4	100
7/9/1992	Webb Well 3	trans-1,2-Dichloroethylene	4.6	100
10/9/1992	Webb Well 3	trans-1,2-Dichloroethylene	6.3	100
1/28/1993	Webb Well 3	trans-1,2-Dichloroethylene	6.8	100
4/8/1993	Webb Well 3	trans-1,2-Dichloroethylene	5.9	100
7/6/1993	Webb Well 3	trans-1,2-Dichloroethylene	7.7	100
11/10/1993	Webb Well 3	trans-1,2-Dichloroethylene	7.1	100
10/13/1994	Webb Well 3	trans-1,2-Dichloroethylene	5.1	100
10/6/1995	Webb Well 3	trans-1,2-Dichloroethylene	8	100
1/17/1996	Webb Well 3	trans-1,2-Dichloroethylene	9.1	100
4/30/1996	Webb Well 3	trans-1,2-Dichloroethylene	6.2	100
7/7/1996	Webb Well 3	trans-1,2-Dichloroethylene	5.5	100
10/8/1996	Webb Well 3	trans-1,2-Dichloroethylene	5	100
4/9/1997	Webb Well 3	trans-1,2-Dichloroethylene	0.6	100
7/8/1997	Webb Well 3	trans-1,2-Dichloroethylene	1.1	100
12/5/1999	Webb Well 3	trans-1,2-Dichloroethylene	6.7	100
7/17/2000	Webb Well 3	trans-1,2-Dichloroethylene	1.1	100
8/28/2001	Webb Well 3	trans-1,2-Dichloroethylene	missing data	100
6/14/2006	Webb Well 3	trans-1,2-Dichloroethylene	8.3	100
8/1/2006	Webb Well 3	trans-1,2-Dichloroethylene	1.6	100
11/8/2006	Webb Well 3	trans-1,2-Dichloroethylene	15.7	100
1/23/2007	Webb Well 3	trans-1,2-Dichloroethylene	2.6	100
4/18/2007	Webb Well 3	trans-1,2-Dichloroethylene	3.5	100
7/25/2007	Webb Well 3	trans-1,2-Dichloroethylene	6	100
7/7/1996	Webb Well 5	trans-1,2-Dichloroethylene	0.5	100
10/8/1996	Webb Monitoring Well	Trichloroethylene	1	5
10/23/1996	Webb Monitoring Well	Trichloroethylene	3.3	5
1/21/1997	Webb Monitoring Well	Trichloroethylene	2.5	5
4/9/1997	Webb Monitoring Well	Trichloroethylene	7.1	5
7/8/1997	Webb Monitoring Well	Trichloroethylene	13	5

Drinking Water Branch

Non-Coliform Sample Results

Return Links

Non-Coliform Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	IN5241005	Federal Type :	C
Water System Name :	INDIANA AMERICAN WATER - JOHNSON COUNTY	State Type :	C
Principal County Served :	JOHNSON	Primary Source :	GW
Status :	A	Activity Date :	01-01-1976
Lab Sample No. :	RV-0602-03	Collection Date :	05-10-2006

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2378	1,2,4-TRICHLOROBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2380	CIS-1,2-DICHLOROETHYLENE	524.2	N	MRL	.5 UG/L	60.5 UG/L	01-01-2005	12-31-2007
2955	XYLENES, TOTAL	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2964	DICHLOROMETHANE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2968	O-DICHLOROBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2969	P-DICHLOROBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2976	VINYL CHLORIDE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2977	1,1-DICHLOROETHYLENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2979	TRANS-1,2-DICHLOROETHYLENE	524.2	N	MRL	.5 UG/L	3.1 UG/L	01-01-2005	12-31-2007
2980	1,2-DICHLOROETHANE	524.2	Y	MDL	.5 UG/L	null	01-01-2005	12-31-2007
2981	1,1,1-TRICHLOROETHANE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2982	CARBON TETRACHLORIDE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2983	1,2-DICHLOROPROPANE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2984	TRICHLOROETHYLENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2985	1,1,2-TRICHLOROETHANE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2987	TETRACHLOROETHYLENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2989	CHLOROBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2990	BENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2991	TOLUENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2992	ETHYLBENZENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007
2996	STYRENE	524.2	Y	MDL	.5 UG/L	UG/L	01-01-2005	12-31-2007

Drinking Water Branch

Non-Coliform Sample Results

Return Links

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Glossary

Water System No. :	IN5241005	Federal Type :	C
Water System Name :	INDIANA AMERICAN WATER - JOHNSON COUNTY	State Type :	C
Principal County Served :	JOHNSON	Primary Source :	GW
Status :	A	Activity Date :	01-01-1976
Lab Sample No. :	RV-2380032802	Collection Date :	03-28-2002

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2380	CIS-1,2-DICHLOROETHYLENE	524.2	N		0 null	13.3 UG/L	01-01-2002	12-31-2004

Total Number of Records Fetched = 1

Drinking Water Branch

Non-Coliform Sample Results

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Non-Coliform Samples

Analyte List

Water System Detail

Water Systems

Water System Search

County Map

Glossary

Water System No. :	IN5241005	Federal Type :	C
Water System Name :	INDIANA AMERICAN WATER - JOHNSON COUNTY	State Type :	C
Principal County Served :	JOHNSON	Primary Source :	GW
Status :	A	Activity Date :	01-01-1976
Lab Sample No. :	RV-2979032802	Collection Date :	03-28-2002

Analyte Code	Analyte Name	Method Code	Less than Indicator	Level Type	Reporting Level	Concentration level	Monitoring Period Begin Date	Monitoring Period End Date
2979	TRANS-1,2-DICHLOROETHYLENE	524.2	N		0 null	0.5 UG/L	01-01-2002	12-31-2004

Total Number of Records Fetched = 1

Well #2

Record of Water Well

Indiana Department of Natural Resources

Reference Number	Driving directions to well		Date completed
205990	N ON EASTVIEW TO SHELBYVILLE, TURN R., TO 1ST RD. TO L., TURN, GO OVER CREEK THEN PASS WATER PLANT 1000F., NEW WELL #2 IS 30' S.OF OLD WELL #2		Jan 09, 1989
Owner-Contractor	Name	Address	Telephone
Owner	INDIANA CITIES WATER CORP.	400 CAMBY CT., P.O. BOX 427, GREENWOOD, IN.	(317) 881-8607
Driller	REYNOLDS INC.	ORLEANS. IN.	
Operator	WAYNE WILDMAN	License: 522	
Construction Details			
Well	Use: Industry	Drilling method: Cable Tool	Pump type: Submersible
	Depth: 111.0	Pump setting depth: 80.0	Water quality: CLEAR
Casing	Length: 106.5	Material: 103	Diameter: 16.0
Screen	Length: 30.0	Material: SS	Diameter: 14.0 Slot size: .15
Well Capacity Test	Type of test:	Test rate: 901.0 gpm for 6.0 hrs.	BailTest rate: gpm for hrs.
	Drawdown: ft.	Static water level: 31.4 ft.	Bailer Drawdown ft.
Grouting Information	Material: BENTONITE	Depth: from 25.0 to 5.0	
	Installation Method:	Number of bags used: 6.0	
Well Abandonment	Sealing material:	Depth: from to	
	Installation Method:	Number of bags used:	
Administrative	County: JOHNSON	Township: 12N Range: 4E	
	Section: NW of the SE of the SE of Section 12	Topo map: FRANKLIN	
	Grant Number:		
	Field located by: MH	on: Feb 09, 1990	
	Courthouse location by:	on:	
	Location accepted w/o verification by:	on:	
	Subdivision name:	Lot number:	
	Ft W of EL: 1050.0	Ft N of SL: 1200.0	Ft E of WL: Ft S of NL:
	Ground elevation: 727.0	Depth to bedrock:	Bedrock elevation: Aquifer elevation: 616.0
	UTM Easting: 583411.0	UTM Northing: 4372082.0	
Well Log	Top	Bottom	Formation
	0.0	1.0	TOP SOIL
	1.0	3.0	GRAY CLAY
	3.0	6.0	LIGHT GRAY CLAY
	6.0	17.0	SOFT GRAY CLAY & SAND MIX
	17.0	21.0	GRAY CLAY & GRAVEL
	21.0	31.0	S&G
	31.0	35.0	F-M S&G
	35.0	42.0	M SAND & P GRAVEL
	42.0	50.0	F-M SAND GRAVEL

50.0	62.0	F-M SAND
62.0	65.0	F SAND & CLAY LINDS
65.0	76.0	FM SAND
76.0	78.0	M SAND, GRAV, CLAY BALL
78.0	80.0	FM SAND
80.0	88.0	F SAND & CLAY BALL
88.0	92.0	CLAY & GRAVEL MIX
92.0	96.0	S&G
96.0	101.0	S&G & CLAY LINC
101.0	103.0	S&G& CLAY
103.0	104.0	S, GRAVEL, CLAY BALL
104.0	107.0	CLAY AND GRAVEL
107.0	109.0	GRAVEL AND CLAY BALL
109.0	111.0	CLAY AND P GRAVEL

CommentsVERIFIED BY WORKER; SEE MAY;

Record of Water Well

Well # 3

Indiana Department of Natural Resources

Reference Number 202726	Driving directions to well 900N OF UPPER CHEBBVILLE		Date completed May 09, 1979
Owner-Contractor Owner Driller	Name I.C.W.C. REYNOLDS	Address	Telephone
Construction Details	Use: Depth: 87.0 Length: Length:	Drilling method: Pump setting depth: Material: Material:	Pump type: Water quality: Diameter: Diameter: Slot size:
Well Capacity Test	Type of test: Drawdown: ft.	Test rate: gpm for hrs. Static water level: ft.	Bail Test rate: gpm for hrs. Bailer Drawdown ft.
Grouting Information	Material: Installation Method:	Depth: from to Number of bags used:	
Well Abandonment	Sealing material: Installation Method:	Depth: from to Number of bags used:	
Administrative	County: JOHNSON Section: NW of the SE of the SE of Section 12 Grant Number: Field located by: Courthouse location by: Location accepted w/o verification by: Subdivision name: Ft W of EL: 1300.0 Ground elevation: 728.0 UTM Easting: 583332.0		Township: 12N Range: 4E Topo map: FRANKLIN on: on: on: Lot number: Ft E of WL: Ft S of NL: Bedrock elevation: Aquifer elevation: 637.0 UTM Northing: 4372039.0
Well Log	Top 0.0 4.0 10.0 30.0 32.0 35.0 40.0 60.0 65.0 70.0 85.0	Bottom 4.0 10.0 30.0 32.0 35.0 40.0 60.0 65.0 70.0 85.0 87.0	Formation TOPSOIL CLAY F. SAND M-FN SAND/ CRS GRAVEL MED GRAVEL CRS GRAVEL& MED GRAVEL/ BRN BRN GRAVEL F. GRAVEL & M. SAND CRS & MED GRAVEL SAND GRAVEL
Comments	MC 637; THIS WELL REPLACES 1-R-1 WHICH REPLACED WELL #1-PROBLEMS W/ CO2 GAS ACCORDING TO JIM MORRIS; SEE MAP;		

Record of Water Well

Well #5

Indiana Department of Natural Resources

Reference Number 205985	Driving directions to well		Date completed Jun 29, 1979	
Owner-Contractor	Name	Address	Telephone	
Owner	INDIANA CITIES WATER			
Driller	LAYNE NORTHERN			
Operator	HOYT FOSTER	License: null		
Construction Details				
Well	Use:	Drilling method:	Pump type:	
	Depth: 87.0	Pump setting depth:	Water quality:	
Casing	Length: 57.0	Material:	Diameter: 16.0	
Screen	Length: 30.0	Material:	Diameter: 16.0 Slot size: .060	
Well Capacity Test	Type of test:	Test rate: 1200.0 gpm for hrs.	BailTest rate: gpm for hrs.	
	Drawdown: ft.	Static water level: ft.	Bailer Drawdown: ft.	
Grouting Information	Material:	Depth: from to		
	Installation Method:	Number of bags used:		
Well Abandonment	Sealing material:	Depth: from to		
	Installation Method:	Number of bags used:		
Administrative	County: JOHNSON		Township: 12N Range: 4E	
	Section: NW of the SE of the SE of Section 12		Topo map: FRANKLIN	
	Grant Number:			
	Field located by:		on:	
	Courthouse location by:		on:	
	Location accepted w/o verification by:		on:	
	Subdivision name:		Lot number:	
	Ft W of EL: 800.0	Ft N of SL: 1300.0	Ft E of WL:	Ft S of NL:
	Ground elevation: 729.0	Depth to bedrock:	Bedrock elevation: Aquifer elevation: 642.0	
	UTM Easting: 583484.0		UTM Northing: 4372107.0	
Well Log	Top	Bottom	Formation	
	0.0	4.0	TOP SOIL	
	4.0	10.0	CLAY	
	10.0	30.0	FN SAND	
	30.0	32.0	MED FN SAND, CRS GRAVEL	
	32.0	35.0	MED GRAVEL	
	35.0	40.0	MED FN SAND, MED GRAVEL	
	40.0	45.0	MED CRS SAND, MED GRAVEL	
	45.0	50.0	MED FN SAND, MIX. FN-CRS GRAVE	
	50.0	55.0	MED SAND, MED CRS GRAVEL	
	55.0	60.0	MED SAND, FN CRS GRAVEL	
	60.0	65.0	MED CRS SAND, MED GRAVEL	
	65.0	70.0	MED CRS SAND, FN-MED GRAVEL	
	70.0	75.0	MED CRS SAND	

75.0	80.0	FN-MED SAND, FN GRAVEL
80.0	85.0	MIX FN-MED -CRS SAND
85.0	87.0	MED CRS SAND, MED GRAVEL

Comments MC 642;
